

## 201 Chapter 12 Formulas

### Euler's Theorem

$$F + V = E + 2$$

#### Cylinders/Prisms

$$LA = ph$$

$$SA = LA + 2B$$

$$V = Bh$$

#### Cones/Pyramids

$$LA = (1/2) pl$$

$$SA = LA + B$$

$$V = (1/3) Bh$$

#### Spheres

$$A = 4\pi r^2$$

$$V = (4/3)\pi r^3$$

#### Hemispheres

$$A = 3\pi r^2$$

$$V = (2/3)\pi r^3$$